

AUTOMATIC CORING MACHINE

DAR806

Ultrasonic spindle mounted !
Coring 1mm ϕ thin sheet filter is achieved.

NEW



Coring
circular shape
from a flat
board

Corresponding
to a thin filter
and various
work pieces

Ultrasonic
spindle
mounted

Applications Example

Suitable materials

Various glass, ceramics, Si, sapphire, Hard film material

Suitable products

- Si substrates
- PZT substrates
- Optical filter

The last fort in cutting

IC DASTech
YAC DASTech, Inc.



Daspen

DAR806

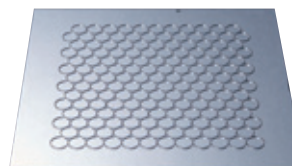
Structure advantages



Core drill

- The cylindrical diamond blade is turning at high-speed
- Less chipping and quick process is achieved

Optical filter samples



- Infrared filter

DAR806 仕様

Chuck table		(mm)	200×200
X Axis	Effective stroke	(mm)	200 (Processing possible work margin)
	Minimum indexing unit	(mm)	0.001
	Feed speed	(mm/sec)	0.1 – 100
	Axis drive system		High precision ball screw is driven by a servo motor
	Drive source		AC Servo motor
Y Axis	Effective stroke	(mm)	200 (Processing possible work margin)
	Minimum indexing unit	(mm)	0.001
	Feed speed	(mm/sec)	0.1 – 100
	Axis drive system		High precision ball screw is driven by a servo motor
	Drive source		AC Servo motor
Z Axis	Effective stroke	(mm)	100
	Minimum indexing unit	(mm)	0.001
	Feed speed	(mm/sec)	0.005 – 20
	Axis drive system		High precision ball screw is driven by a servo motor
	Drive source		AC Servo motor
Chuck table			Chucking method Flat frame Source of vacuum
			Vacuum chucking on the porous table 2-8-1 The vacuum generator with ejector system
Spindle	Style		Mechanical spindle Ultrasonic spindle
	The oscillating frequency tolerance	(kHz)	– 40 (A little adjustment is made of an control nob)
	The motor maximum rated output	(W)	500
	Drill holding system		The clamp system
	The use rotation range	(min-1)	3,000 – 15,000
	The use wheel stone size		The shank part φ6
	Drill diameter		φ1.0 – 10.0
Utility	Power source		3 phase 200V±10% 50/60Hz
	Noise		In pulse width 500ns, less than 2000 V
	Grounding		Resistance during installation Less than 100 Ω of JIS third class
	Power consumption	(kVA)	8
	Air pressure	(MPa)	0.55
	Air consumption	(l/min (A.N.R.))	80
Machine body size		(mm)	700 (W) × 850 (D) × 1,750 (H)
Machine body weight		(kg)	500

The specification of this machine have a case to change for improvement.
Please contact our sales for inquiry as to cutting applications.

Our motto is **“FAST”**

Flexible
Automatic
Slicing
Technology



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